



JFW

Patent
TH1808 (US)
HS:KNL

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Alexandria, VA 22313-1450 on or before the date shown below.

Richard F. Lemuth
Richard F. Lemuth

Date: December 17, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of)	
)	
JOHN R. LOCKEMEYER ET AL)	
)	
Serial No. 10/606,440)	
)	
Filed: June 26, 2003)	Group Art Unit 1755
)	
A METHOD FOR IMPROVING THE)	Examiner P. L. Hailey
SELECTIVITY OF A CATALYST AND A)	
PROCESS FOR THE EPOXIDATION OF)	December 17, 2004
AN OLEFIN)	
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COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents, other than the U.S. patent documents, are enclosed. U.S. Patent 6,087,299 (enclosed) is an English language equivalent of EP-A-933130.

Enclosed is a copy of a letter to the European Patent Office, dated July 11, 2000. Applicants wish to draw the Examiner's attention to the "Report of Additional Experiments", enclosed in the letter.

Applicant is aware of pending patent applications Serial Nos. 10/607,346 and 10/816,480, filed on June 26, 2003 and April 1, 2004, respectively, which cover related, but different inventions.

The Examiner is also respectfully requested to take into account that the invention described in the enclosed paper marked "TH2305", but not the invention claimed in Application No. 10/606,440, was used before June 28, 2001 in commercial operation in the United States without public disclosure. No claims claiming the invention described in the paper marked "TH2305" will be pursued in the United States.

The Examiner is authorized to charge the \$180.00 fee associated with the filing of this Information Disclosure Statement to Shell Oil Company, Deposit Account No. 19-1800.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,
JOHN R. LOCKEMEYER ET AL

By Richard F. Lemuth
Their Attorney, Richard F. Lemuth
Registration No. 30,081
(713) 241-3716

P. O. Box 2463
Houston, Texas 77252-2463

Enclosures: PTO-1449 Form (Modified)
Copy of Letter to European Patent Office
TH2305
U.S. Patent 6,087,299

FORM PTO-1449 (Modified)

DEC 23 2004

ATTY. DOCKET NO.
TH-1808 (US)APPLICATION NUMBER
10/606,440LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
J. R. LOCKMEYER ET ALFILING DATE
6/26/03

GROUP ART UNIT

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	2,219,575	6/39	McNamee et al	260	348	
	AB	5,380,697	1/95	Matusz et al	502	348	
	AC	4,874,879	10/89	Lauritzen et al	549	536	
	AD	2002/0010094	1/2002	Lockmeyer	502	439	
	AE	4,389,338	6/83	Mitsuhata et al	252	463	
	AF	4,845,296	7/89	Ahmed et al	564	477	
	AG	4,822,900	4/89	Hayden	549	534	
	AH	4,761,394	8/88	Lauritzen	502	348	
	AI	5,100,859	3/92	Gerdes et al	502	439	
	AJ	6,368,998	4/02	Lockmeyer	502	347	
	AK	5,102,848	4/92	Soo et al	502	218	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL	9604989 A1	2/98	WO	B01J	23/50		
	AM	00/15332	3/00	WO	B01J	23/04		
	AN	00/15333	3/00	WO	B01J	23/50		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Kirk-Othmer's Encyclopedia Of Chem. Tech., 3 rd Ed., Vol. 9 (1980), pgs. 445-447.
	AS	Letter to the European Patent Office, dated July 11, 2000, relating to European Patent Application No. 95203469.2-2104, publication No. 716884.
	AT	Brunauer, Emmet and Teller, J. of American Chem. Society, Vol. 60 (1938); pages 309-316.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,646,087	7/97	Rizkalla et al	502	347	
	AB	5,739,075	4/98	Matusz	502	302	
	AC	5,504,052	4/96	Rizkalla et al	502	347	
	AD	5,444,034	8/95	Rizkalla	502	347	
	AE	5,770,746	6/98	Cocker et al	549	534	
	AF	6,087,299	7/00	Grub et al	502	347	
	AG	6,372,925	4/02	Evans et al	549	536	
	AH	5,155,242	10/92	Shankar et al	549	534	
	AI	4,766,105	8/88	Lauritzen	502	216	
	AJ	5,801,259	9/98	Kowaleski	549	536	
	AK						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	00/15334	3/00	WO	B01J	23/50		
	AM	00/15335	3/00	WO	B01J	23/50		
	AN	933.130 A2	8/99	EP (Abstract)	B01J	23/66		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Beilstein Institute for Organic Chemistry, Frankfurt-Main, DE, XP002296657, J. Am. Chem. Society, Vol. 56, (1934); pages 1870-1872.
	AS	International Search Report, PCT/US2004/010457
	AT	

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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	266,015 A1	5/88	EP	B01J	23/68		
	AM	1,489,335	10/77	GB	B01J	23/66		
	AN	2004/002972 A2	1/2004	WO	C07D	301/10		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	716.884 A2	6/96	EP	B01J	23/66		
	AM	003642 A2	8/79	EP	C07D	301/10		
	AN	95/05896	3/95	WO	B01J	23/66		

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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	352,849 A1	1/90	EP	C07D	301/10		
	AM	1,170,663	11/69	GB	B01J	11/20		
	AN	326,392 A1	8/89	EP	C07D	301/10		

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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	WO 01/96324	12/01	WO	C07D	301/00		
	AM	352,850	1/90	EP	C07D	301/10		
	AN	567,273	10/93	EP	C07D	301/10		

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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	1,191,983 A	5/70	GB	C07d	1/14		
	AM							
	AN							

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